| *Test cases for createacct* | | | | | | | |
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| **Requirement** | **Test No.** | **Test Name** | **Purpose** | **Input** | **Input Files** | **Output** | **Output Files** |
| privileged transaction, only accepted in agent mode | R1T1-NEW | crAccMode1 | check if create account is valid at logged in machine mode | login ATM createacc | / | error prompt inform user to create account through agent | / |
| | R1T2-NEW | crAccMode2 | check if create account is valid at logged in agent mode | login agent createacc | / | no output/ create account proceed to ask user to input account number | / |
| new account number is exactly seven decimal digits not beginning with 0 | R2T1-NEW | crAccNum1 | check if new account number entered are all digits | login agent createacct 01234567 | / | no output, proceed to next test case | / |
| | R2T2-NEW | crAccNum2 | check if new account number entered are all digits | login agent createacct | / | error prompt to inform user account number invalid | / |
| | R2T3-NEW | crAccNum3 | check if new account number entered are exactly 7 in length | login agent createacct | / | no output, proceed to next test case | / |
| | R2T4-NEW | crAccNum4 | check if new account number entered are exactly 7 in length | login agent createacct 01234567 | / | error prompt to inform user account number invalid | / |
| | R2T5-NEW | crAccNum5 | check if new account number is exactly 7 in length and are all digits | login agent createacct | / | no output, proceed to next test case | / |

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| | R2T6-NEW | crAccNum6 | check if the first digit is zero | login agent createacct | / | error prompt to inform user account number invalid | / |
| | R2T7-NEW | crAccNum7 | check if the first digit is zero | login agent createacct | / | no output/ create account proceed | / |
| new account number must be different from all other current account numbers | R3T1-NEW | crAccDup1 | check if the new account number is eactly the same as the currently in-use account numbers | login agent createacct number entered 1234567 | valid accounts list file | no output/ create account proceed to ask user to input account name | / |
| | R3T2-NEW | crAccDup2 | check if the new account number is eactly the same as the currently in-use account numbers | login agent createacct number entered 1234568 | valid accounts list file | error prompt inform user the account number already in used | / |
| | R4T1-NEW | crAccName1 | check if the new account name entered have minimum length 3 and max length 30 | login agent createacct (space)@( | | no output, proceed to next test case | / |

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| new account name is between 3 and 30 alphanumeric characters, possibly including spaces but not beginning or ending with a space | R4T2-NEW | crAccName2 | check if the new account name entered have minimum length 3 and max length 30 | login agent createacct 12 / length31 | error prompt inform user the account name invalid | / |
| | R4T3-NEW | crAccName3 | check if lower case value and higher case value are handled correctly | login agent createacct CangLing9 | no output, proceed to next test case | / |
| | R4T4-NEW | crAccName4 | check if new account number entered are valid characters( a-z, A-Z, 0-9, space) | login agent createacct (space)Ca | no output, proceed to next test case | / |
| | R4T5-NEW | crAccName5 | check if new account number entered are valid characters( a-z, A-Z, 0-9, space) | login agent createacct @(space) | error prompt inform user account name invalid | / |
| | R4T6-NEW | crAccName6 | check if new account number entered including space at beginning or end | login agent createacct (space)Ca | error prompt inform user account name invalid | / |

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| | R4T7-NEW | crAccName7 | check if new account number entered including space at beginning or end | login agent createacct CangLing97 | | Account Created! list New Account Number and New Account Name | /Assume kept in track by hashmap to make sure data updated into Transaction summary file |
| | R5T1-NEW | crAccTrans1 | no transactions on the new account should be accepted | login agent transfer / login agent withdraw / login agent deleteacct / login agent transfer | valid accounts list file and transaction summary file | error prompt: no transactions on the new account should be accepted | / |

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| no transactions on the new account should be accepted | R5T2-NEW | crAccTrans2 | no transactions on the new account should be accepted | login ATM transfer / login ATM withdraw / login ATM deleteacct / login ATM transfer | valid accounts list file and transaction summary file | error prompt: no transactions on the new account should be accepted | / |
| | R5T3-NEW | crAccTrans3 | no transactions on the new account should be accepted | login agent logout / login ATM logout | valid accounts list file and transaction summary file | no output | / |
| check if can create an account(use the same account number)that is previously deleted | R6T1-NEW | crDelAcc | check if can create an account(use the same account number)that is previously deleted | login agent createact (deleted account)1234567 | valid accounts list file | no output | / |